

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1 to 63. (Cancelled).

64. (Currently Amended) A terminal for use with a mobile phone, comprising:

a transmitter stage;

a receiver stage;

a switch-over and adapter stage electrically connected to an antenna and configured to enable the transmitter stage and the receiver stage to communicate via the antenna;

passive structural elements in the transmitter stage, the receiver stage, and the switch-over and adapter stage;

microswitches or microrelays associated with the passive structural elements, the microswitches or microrelays being actuatable to configure the passive structural elements to produce at least one functional parameter, the at least one functional parameter comprising a frequency characteristic; and

a control unit that is programmable ~~over a wireless interface~~ in response to a wireless signal to actuate determine a configuration for the microswitches or microrelays to set a value of the at least one functional parameter;

wherein passive structural elements in the transmitter stage, the receiver stage, and the switch-over and adapter stage are integrated on a common substrate; and

wherein the control unit comprises:

memory for storing data for switching matrices, wherein switching matrices stored in the memory correspond to values associated with the frequency characteristic;
and

a stage to associate the set value of the frequency characteristic with a corresponding switching matrix, the control unit being programmable to actuate the microswitches or microrelays in accordance with the corresponding switching matrix.

65. (Previously Presented) The terminal of claim 64, wherein the transmitter stage, the receiver stage, or the switch-over and adapter stage comprises a plurality of micromotors, the plurality of micromotors for mechanically configuring passive structural elements in response to at least one control signal from the control unit.

66. (Previously Presented) The terminal of claim 64, further comprising:
at least one on/off switch for the transmitter stage and the receiver stage;
wherein the control unit is programmed to transmit a switch-off signal to the at least one on/off switch, the switch-off signal for deactivating the transmitter stage and/or the receiver stage; and

wherein the control unit is programmed to transmit the switch-off signal before the microswitches or the microrelays are actuated.

67. (Previously Presented) The terminal of claim 66, wherein the control unit is programmed to transmit a switch-on signal to the at least one on/off switch, the switch-on signal for activating the transmitter stage and the receiver stage; and

wherein the control unit is programmed to transmit the switch-on signal after termination of a program, the program being for determining a configuration of the microswitches or microrelays to set the at least one functional parameter.

68. (Previously Presented) The terminal of claim 64, wherein the common substrate has a high dielectric constant.

69. (Previously Presented) The terminal of claim 65, wherein the common substrate has a high dielectric constant.

70. (Currently Amended) The terminal of claim 64, wherein the control unit comprises: ~~topology memory for storing a topology of the microswitches or the microrelays;~~
algorithm memory for storing code to determine the value of the at least one functional parameter; and

a calculation stage to determine a microswitch arrangement or a microrelay arrangement based, in part, on the value ~~and the topology~~.

71. (Currently Amended) The terminal of claim 70, ~~wherein the topology memory is configured~~ further comprising memory to store a position and a topology that corresponds to actuator stages of a micromotor.

72. (Previously Presented) The terminal of claim 70, wherein the calculation stage is configured to implement an algorithm to calculate an actuation signal for a micromotor, the actuation signal being usable to obtain the value of the at least one functional parameter.

73 to 79. (Cancelled)

80. (Previously Presented) The terminal of claim 64, wherein the passive structural elements comprise capacitors.

81. (Previously Presented) The terminal of claim 64, wherein the passive structural elements form a resonator.

82. (Previously Presented) The terminal of claim 64, wherein the switch-over and adapter stage comprises a duplexer.

83. (Canceled)

84. (Currently Amended) A terminal for use with a mobile phone, comprising:

a duplexer configured to enable signal transmission and reception via a common antenna, the duplexer comprising passive structural elements and microswitches or microrelays associated with the passive structural elements, the microswitches or microrelays being actuatable to configure the passive structural elements to affect a frequency characteristic associated with at least one of signal transmission and reception; and

a control unit that is programmable to actuate the microswitches or microrelays to thereby affect a configuration of the passive structural elements and set a value corresponding to the frequency characteristic;

wherein the duplexer is integrated on a common ceramic substrate along with other components of the mobile phone; and

wherein the control unit comprises:

configuration memory for storing data for switching matrices, wherein switching matrices stored in the configuration memory correspond to values associated with the frequency characteristic; and

a stage to associate the set value of the frequency characteristic with a corresponding switching matrix, the control unit being programmed to actuate the microswitches or microrelays in accordance with the corresponding switching matrix.

85. (Previously Presented) The terminal of claim 64, wherein the other components of the mobile phone comprise a transmitter stage for transmitting signals via the common antenna and a receiver stage for receiving signals via the common antenna.

86. (Previously Presented) The terminal of claim 85, wherein the control unit is programmed to deactivate the transmitter stage and/or the receiver stage before actuation of the microswitches or the microrelays.

87. (Previously Presented) The terminal of claim 86, wherein the control unit is programmed to activate the transmitter stage and/or the receiver stage after actuation of the microswitches or microrelays to set the frequency characteristic.

88. (Previously Presented) The terminal of claim 84, wherein at the common substrate has a high dielectric constant.

89. (Canceled)

90. (Currently Amended) The terminal of claim 84, wherein ~~the control unit comprises:~~
~~configuration memory for storing a plurality of switching matrices; each switching matrix~~
~~corresponding~~ corresponds to a value associated with the frequency characteristic; ~~and~~

~~a pointer stage to associate the set value of the frequency characteristic with a corresponding switching matrix, the control unit being programmed to actuate the microswitches or microrelays in accordance with the corresponding switching matrix.~~

91. (Previously Presented) The terminal of claim 84, wherein the passive structural elements comprise capacitors.

92. (Previously Presented) The terminal of claim 84, wherein the passive structural elements form a resonator.

93. (Previously Presented) The terminal of claim 84, further comprising:
memory to store topologies of the passive structural elements;
wherein the control unit is programmed to actuate the microswitches or microrelays in accordance with at least one of the topologies.

94. (Currently Amended) A terminal for use with a mobile phone, comprising:
a transmitter stage;
a receiver stage;
a switch-over and adapter stage;
passive structural elements in the transmitter stage, the receiver stage, and the switch-over and adapter stage;

microswitches or microrelays associated with the passive structural elements, the microswitches or microrelays being actuatable to configure the passive structural elements to produce at least one functional parameter, the at least one functional parameter comprising a frequency characteristic; and

a control unit that is programmable over a wireless interface to actuate the microswitches or microrelays ~~and~~ to set a value of the at least one functional parameter;₂[[.]]

wherein the control unit comprises:

configuration memory for storing data for a plurality of switching matrices, each switching matrix ~~being assigned~~ corresponding to a value associated with the at least one functional parameter; and

a pointer stage to associate ~~the a~~ set value of the at least one functional parameter with a switching matrix stored in the configuration memory.

95. (New) The terminal of claim 94, wherein passive structural elements in the transmitter stage, the receiver stage, and the switch-over and adapter stage are integrated on a common substrate.

96. (New) The terminal of claim 94, further comprising:

at least one on/off switch for the transmitter stage and the receiver stage;

wherein the control unit is programmed to transmit a switch-off signal to the at least one on/off switch, the switch-off signal for deactivating the transmitter stage and/or the receiver stage; and

wherein the control unit is programmed to transmit the switch-off signal before the microswitches or the microrelays are actuated.

97. (New) The terminal of claim 96, wherein the control unit is programmed to transmit a switch-on signal to the at least one on/off switch, the switch-on signal for activating the transmitter stage and the receiver stage; and

wherein the control unit is programmed to transmit the switch-on signal after termination of a program, the program being for determining a configuration of the microswitches or microrelays to set the at least one functional parameter.

98. (New) The terminal of claim 95, wherein the common substrate has a high dielectric constant.

99. (New) The terminal of claim 94, wherein the configuration memory is configured to store a combined switch setting and a motor actuation configuration for an arrangement of the passive structural elements.